



U.S. Army Corps
of Engineers®
Huntsville Center

FACT SHEET

May 2001

Range Modernization

Background

Range Modernization is a program of the Army's Deputy Chief of Staff for Operations and Plans. Its purpose is to standardize the training value of range firing, while decreasing the overall cost of range construction and maintenance.

To ensure the success of this program, management and responsibility have been centralized at the U.S. Army Training and Support Center, Army Training modernization directorate (ATMD). Huntsville Center, the Corps of Engineers' Mandatory Center of Expertise for Ranges, provides engineering support to ATMD.

Specifically, Huntsville Center:

- *Provides maintenance and development of standard design drawings and manuals for Army automated ranges, DD Form 1391 review, design review for target interface compliance, construction inspections and line-of-sight analysis;*
- *Provides the complete spectrum of range design services for the U.S. Army, U.S. Marine Corps and the U.S. Army Reserve Components.*
- *Develops and deploys automated systems to allow accurate inventory, scheduling, live-fire tracking, and reporting of range training assets and utilization.*
- *Supports the Department of the Army in the development of a comprehensive Master Range Plan that correlates mission training needs with well-designed ranges and training areas.*

Sixteen Years of Experience

Fiscal year 1984 marked the beginning of construction of standardized ranges, with construction beginning on three multipurpose range complexes at Fort Hood, Texas; Fort Riley, Kan.; and Fort Bliss, Texas. Ten infantry ranges, including automated record fire and automated field fire ranges, were built at various installations. Since fiscal year 1984, more than 400 ranges have been constructed.



Huntsville Center is involved on an individual range at the very beginning with the development of the DD Form 1391 — the initial project identification document. Huntsville Center validates this document to ensure the project meets the standardization requirements.

The Center, with input from ATMD, major army commands and schools, develops generic design manuals for range control facilities, battle simulator center facilities, multipurpose range complexes (heavy and light), infantry ranges, and military operations in urban terrain facilities. The manuals include layout drawings, equipment interface data, cost estimating, and other criteria requirements. The generic requirements are site-adapted by the geographical districts and installations to allow for variations in the local terrain.

Huntsville Center also has the responsibility for reviewing designs and attending construction inspections to ensure interface and standardization requirements are met.

Range modernization is supported by the Range Facility Management Support System. Huntsville Center is responsible for the integration and implementation of Range Facility Management Support System through a series of tasks:

- *Testing and evaluation;*
- *Conducting site surveys;*
- *Providing the user community with HW/SW recommendations;*
- *Assisting with ADPE acquisition;*
- *On-site installation;*
- *On-site training;*
- *Technical support and;*
- *Application software maintenance and enhancements.*



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